**INFO 5100 APPLICATION ENGINEERING AND DEVELOPMENT**

**Application –** It is a platform that allows users to rent as well as be a part of renting equipments for an event such as parties, marriages, etc.

**Problem statement-** It is an interface to bring customer and suppliers together. Many people prefer renting few party equipments like speakers, BBQ grill machine, camera, etc. And there isn’t any one specific site through which we can order everything related to these events, So we are creating 1 interface to solve that problem.

**Solution –** Admin can manage suppliers who are supplying specific equipments for the event. Customer can also be a partner in this interface by agreeing the company policies and renting an equipment which they aren’t using. If I login as a customer, I’ll select the equipment under various categories like camera, gaming equipment, eatables, decorations etc. Once I finish shopping and select check out, we will check all equipment through their supplier and a work queue will be sent to their login portal. When a supplier logs in, he will have notification in this portal and can check the work queue and can proceed to deliver the equipments to the customer. Supplier will be an organization as they can submit product of different sections. A customer can become a partner by renting their equipments. When the customer selects the option ‘become a partner’ he can fill the details of the product. The data will go to admin’s work queue and he will check the data by having a 1- to – 1 conversation with the customer and if he approves, the customer is then selected and can be a designated supplier to the system.

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